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RCB

3422

REPORT

of the

Local Board of Health



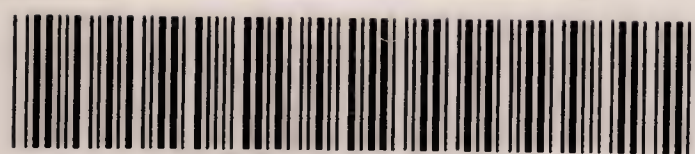
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THE CITY OF EDMONTON

ALBERTA

1959

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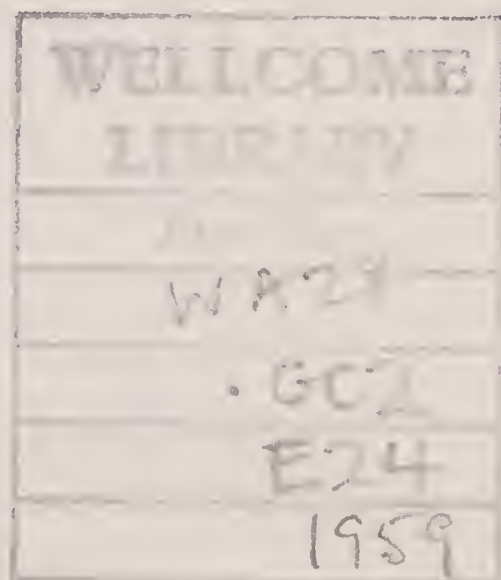
Medical Officer of Health.....	G M. Little, M.D., D.P.H.
Asst. Medical Officer of Health.....	G. H. Ball, M.B., Ch.B., D.P.H.
Medical Officer	Mildred Newell, M.B., L.M.C.C.
Physician, Chief Pediatrics.....	D. B. Leitch, B.A., M.D., F.R.C.P.(C), F.A.A.P.
Physician, Pediatrics.....	L. Beauchamp, B.Sc., M.D., R.C.P.S.(C)
Physician, Pediatrics.....	J. Nelson, M.B., ChB., M.R.C.P.(E), D.C.H., R.C.P.S.
Physician, Pediatrics.....	K. Swallow, B.Sc., M.D., R.C.P.S. (C)
Physician, School Health.....	O. B. Bode, M.D., M.R.C.S., L.R.C.P.
Physician, School Health.....	C. Dafoe, M.D., D.A.
Physician, School Health.....	P. Daly, M.D.
Dental Director, School Health.....	M. B. Levitt, D.D.S.
Dentist, School Health.....	H. Fayerman, D.D.S.
Dentist, School Health.....	J. Hardy, D.D.S.
Dentist, School Health.....	M. B. Levitt, D.D.S.
Sr. School Nurse.....	Crookshanks, Miss E., B.Sc., P.H.
Sr. Nurse, Well Baby Clinic.....	Christensen, Miss S. C.
Sr. Nurse, Inoculation Clinic.....	Griffith, Miss M.
Chief Sanitary Inspector.....	Alexander, L. G., C.S.I., (C)
Milk and Dairy Supervisor.....	Meredith, R. B., C.S.I. (C)
Chief Food Inspector.....	Pennifold, K., V.S.
Secretary, Board of Health.....	Rose, Miss C. R.



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Annual Report of the Medical Officer of Health

Chairman and Members
Local Board of Health
Edmonton, Alberta.

Ladies and Gentlemen:

It is my privilege to present to you the following report for 1959:

The population of our city at the 1959 census showed an increase of 3.4%. The total school population showed an increase of 6.5% during the year. There is still overcrowding of dwellings in certain areas of our city.

Construction of a new Idylwyld Health Centre was begun during the year, and will be ready for use in the spring of 1960. This Health Centre is combined with a branch of the City Library, and will serve the southeast area of the city.

The marriage rate of 12.3 per 1,000 population was the lowest in 41 years.

Born to our citizens during the year were 8,599 babies, including one set of triplets and 82 sets of twins. The birthrate of 33.3 per 1,000 population was the lowest in the past nine years.

The infant deathrate at 19.5 per 1,000 live births is the lowest in the history of our city. Thirty years ago 66 infants died in every 1,000 live births. We believe that increasing information available to mothers, modern medical skills, and a greater preventive supervision being provided for mother and child will continue this downward trend.

Heart disease and cancer remain as the chief causes of death, and it is noted that the number of males dying of heart disease was almost exactly twice the number of females.

If our citizens would seek an annual physical check-up, and could keep their activity within the limits of their physical ability, the preponderance of males dying of heart disease would be materially lessened, and indeed we might expect such deaths in both sexes to be markedly lowered.

Regarding cancer, we would repeat that life-saving, but often ignored, advice that he who fails to heed the early signs and symptoms of this disease invites needless disaster.

Citizens killed in motor vehicle accidents numbered 45, the same as in 1958. However, 24 of these were killed within our city limits, as compared to 15 in 1958.

No serious epidemic of communicable disease occurred during the year. Six cases only of poliomyelitis, with extensive epidemics of this disease in eastern Canada, seems to indicate firm value in the comprehensive effort to immunize our people against this infection. For the first year in history, not a single clinical case of diphtheria was reported in our city, although one carrier of this infection was detected.

With the completion of the Idylwyld Health Centre, we will have five such centres strategically located in the city, including that in the City Hall. Each centre contains a baby and pre-school clinic, an inoculation clinic and a dental clinic. The continuing rapid increase in numbers using these clinics has justified the Board's policy of developing such centres. Attendance at

our baby and pre-school clinics in 1959 was 36,458 and at our inoculation clinics, 159,610. The dental clinics in these centres provide dental care for indigent children referred from the schools in the area.

The school population of our city continues to grow apace. The increase for 1959 was 3,317, to a total of 53,490. This service demanded 46.8% of our budget. However, we believe that an efficient School Health Service has been evolved, and if we are correct in our belief that, in general, the healthy child makes a healthy adult, then this preventive service offers the greatest dividends to our community. Accomplishments of our medical, dental and school nursing services are detailed in this report.

The rapid growth of population and business in our city has brought many new and changing problems to our Division of Sanitation. Sanitary control of foodhandling establishments, including inspection of all animals slaughtered in three local abattoirs and inspection of 527 dairy farms, as well as supervision of rooming houses, general sanitation, etc., is maintained by this division. Classes in foodhandling sanitation, organized by a member of our sanitary staff has, we think, been an outstanding and useful effort for the protection of our citizens. Careless citizens casting bits of refuse on our sidewalks and roadways frequently gives our city an unsightly and ill-cared-for appearance. We hope the City will increase the number of trash containers until we have one in every block. If these are handy, we might hope that our citizens will use them.

We would voice our appreciation of the many public and private organizations who are carrying on projects for the better health of our citizens. Among these are the Victorian Order of Nurses who are doing a valuable work in their pre-natal classes. The Alberta Tuberculosis Association and the local Kinsmen's Club have done a vast amount of work toward the control of tuberculosis. The Provincial Department of Health, and its Divisions of Tuberculosis and Mental and Social Hygiene, have rendered our citizens many services. The Provincial Public Health Laboratory has been invaluable to us.

Finally, we are grateful to the members of the Local Board of Health for providing the understanding and resources to maintain an efficient and loyal group of public health workers in this department.

Yours truly,

G. M. LITTLE,
Medical Health Officer.

EXPENDITURES 1959

Salaries	\$336,556.00
Furniture and Office Supplies	8,888.00
Milk and Glasses	953.00
Medical Supplies	4,580.00
Printing, Postage and Stationery	4,348.00
Transportation and Cars	13,117.00
Telephones, Advertising, Travelling	2,163.00
Uniforms	965.00
Miscellaneous	1,776.00
Insurance and Pensions	15,990.00
Space and Maintenance	36,827.00
Cost per Capita—\$1.63	\$426,663.00

CLASSIFICATION OF EXPENDITURES 1959

	Adminis- tration	Communi- cable Disease Control	Milk and Dairy Supervision	Food and Meat Control	Well Baby Clinics	Sanitation	Vital Statistics	School Health Services	Total Expendi- tures
Salaries	\$19,974.	\$36,063.	\$12,037.	\$8,453.	\$46,083.	\$46,909.	\$1,547.	\$165,490.	\$336,556.
Furniture and Office Supplies 121.	121.	1,461.	3.	—	1,348.	91.	—	5,864.	8,888.
Milk and Eye Glasses	—	—	—	—	—	—	—	953.	953.
Medical Supplies	88.	803.	22.	—	169.	—	—	3,498.	4,580.
Printing, Postage, Stationery.. 1,121.	1,121.	509.	2.	19.	504.	53.	53.	2,587.	4,848.
Transportation and Cars	480.	409.	1,687.	420.	1,603.	3,567.	—	4,951.	13,117.
Telephones, Advtg., Travelling 638.	638.	459.	80.	—	397.	200.	—	389.	2,163.
Uniforms	—	440.	—	—	274.	135.	—	116.	965.
Miscellaneous	62.	524.	6.	86.	484.	60.	—	534.	1,776.
Insurances and Pensions	10,107.	—	—	—	—	—	—	5,883.	15,990.
Space and Maintenance	4,603.	10,390.	—	—	10,365.	2.	—	11,467.	36,827.
\$37,194.	\$51,058.	\$13,837.	\$8,978.	\$61,227.	\$51,017.	\$1,600.	\$201,752.	\$426,663.	
8.7%	12.0%	3.2%	2.1%	14.4%	11.9%	4%	47.3%	100%	

SUMMARY OF STATISTICS

Area of City—45.64 square miles

	1959	1958	1957	1956	1955
Population	260,733	252,131	238,353	224,003	209,353
Persons per acre of land.....	8.8	8.7	8.3	7.8	7.3
Cost per capita.....	1.63	1.53	1.24	1.17	1.16
School enrolment	53,490	50,173	46,682	42,645	39,065
Natural increase of population.....	6,889	6,843	6,667	6,409	5,861
BIRTHS					
Total births	12,425	12,072	11,513	11,035	10,420
Resident births only	8,599	8,408	8,186	7,821	7,302
Resident rate per 1000 population.....	32.9	33.3	34.3	35.1	34.8
STILLBIRTHS					
Total stillbirths	138	109	135	135	154
Resident stillbirths only	84	71	86	92	101
Resident stillbirths rate per 1000 living births	9.8	8.4	10.5	11.7	13.8
DEATHS					
Total deaths	2,460	2,313	2,284	2,191	2,005
Resident deaths only	1,710	1,565	1,519	1,412	1,441
Resident rate per 1000 population	6.5	6.2	6.3	6.3	6.8
INFANT MORTALITY					
Total deaths under 1 year of age	275	304	277	254	237
Resident deaths under 1 year of age..	168	187	174	169	163
Resident rate per 1000 living births..	19.5	22.2	21.2	21.6	22.3
MATERNAL MORTALITY					
Maternal deaths (Resident only)	2	2	1	1	3
Rate per 1000 living births .....	.23	.23	.12	.12	.4
MARRIAGES					
Marriages	3,270	3,149	3,121	2,967	2,985
Rate per 1000 population.....	12.3	12.5	13.1	13.2	14.2

VITAL STATISTICS

Births	1959	1958	1957	1956	1955
Total Births	12,425	12,072	11,513	11,035	10,420
Resident Births only	8,599	8,408	8,186	7,821	7,302
Male	4,389	4,339	4,106	4,079	3,767
Female	4,210	4,069	4,080	3,742	3,533
Double Births					
(Residents only)	82	82	76	80	79
Triple Births					
(Residents only)	1	1	—	3	4
Resident					
Illegitimate births	474	374	348	375	354
Total Illegitimate births....	770	647	637	603	556
Born in Institutions					
(Residents)	8,598	8,401	8,185	7,819	7,301
Maternal Parentage:					
Canada	6,645	6,436	6,476	6,278	5,803
British Isles	431	471	361	367	384
Europe and Asia	1,399	1,388	1,235	1,027	962
U. S. A.	105	105	94	118	124
Other Countries	19	8	20	31	29

RESIDENT LIVE BIRTHS BY AGE OF MOTHER AND ORDER OF BIRTH
1959

	-14	14-19	20-24	25-29	30-34	35-39	40-44	Over 44	Total	%
1st Child	4	699	1,299	598	172	59	9	2	2,842	33.0
2nd Child	—	159	875	781	371	142	31	4	2,363	27.6
3rd Child	—	57	395	625	392	167	30	5	1,671	19.4
4th Child	—	1	117	278	289	182	33	3	903	10.5
5th Child	—	1	16	103	155	98	33	3	409	4.8
6th Child	—	—	3	57	82	64	15	1	222	2.7
7th Child	—	—	1	8	31	31	15	4	90	1.0
8th Child	—	—	—	4	19	21	10	1	55	.6
9th Child	—	—	1	6	9	3	2	—	21	.2
10th Child	—	—	—	4	1	5	2	—	12	.1
11th Child and over	—	—	—	2	1	4	4	—	11	.1
	4	917	2,707	2,466	1,522	776	184	23	8,599	100

STILLBIRTHS	1959	1958	1957	1956	1955
Total Stillbirths	138	109	135	135	154
Resident Stillbirths only	84	71	86	92	101
Male	50	38	39	50	51
Female	34	33	47	42	50
Born in Institutions	84	71	86	92	101
Cause of Foetal Deaths:					
Dystocia	27	22	27	43	40
Prematurity	6	9	4	3	11
Toxemia of Pregnancy	2	3	3	3	8
Syphilis	—	—	—	—	—
Malformation	16	12	19	8	19
Placenta and Membranes	12	10	24	8	6
Traumatism, Overwork	—	—	—	—	—
Other Conditions	21	9	9	26	17

DEATHS	1959	1958	1957	1956	1955
Total Deaths	2,460	2,313	2,284	2,191	2,005
Resident Deaths only	1,710	1,565	1,519	1,412	1,441
Male	1,035	1,002	927	880	873
Female	675	563	592	532	568
Resident rate per 1,000 population	6.5	6.2	6.3	6.3	6.8
Racial Origin:					
Canada	453	547	602	513	551
British Isles	523	454	443	241	423
Europe and Asia	481	429	352	358	318
U. S. A.	96	109	101	76	100
Others	157	26	21	24	49

INFANT MORTALITY	1959	1958	1957	1956	1955
Total deaths under 1 year of age..	275	304	277	254	237
Resident deaths under 1 yr. of age	168	187	174	169	163
Male	103	121	92	89	91
Female	65	66	82	80	72
Legitimate	161	176	157	152	150
Infant mortality rate per 1,000 living births	19.5	22.2	21.2	21.6	22.3
Racial Origin:					
Canada	124	154	150	140	135
British Isles	14	9	7	10	7
Europe and Asia	30	21	15	13	16
U. S. A.	—	—	2	2	—
Others	—	3	—	4	5

INFANT MORTALITY—1959

	SEX		BY MONTH												BY AGE										
	TOTAL	Male	Female	January	February	March	April	May	June	July	August	September	October	November	December	1st Day	1st Week	2nd Week	3rd Week	4th Week	Total Under 1 Month	1- 3 Months	4- 6 Months	7- 9 Months	10-12 Months
053.1 Staphylococcus	1	1				1																	1		
193.0 Malignant neoplasm of brain.....	1	1											1											1	
239 Neoplasm of unspecified nature of other and unspecified organs	1	—	1									1				1					1				
274 Diseases of Adrenal glands	1	1									1											1			
332 Cerebral embolism and thrombosis	1	1						1														1			
325.5 Mental Deficiency—unspecified type.....	1	1						1														1			
340 Meningitis, except meningococcal and tuberculous	1	1				1																	1		
357 Other diseases of spinal cord	1	1									1														
491 Bronchopneumonia	7	3	4		2		2					1	1		1							4	3		
493 Pneumonia, other and unspecified	1		1		1																	1			
500 Acute Bronchitis	5	2	3				1			1	1		1	1								4	1		
571.0 Gastro-enteritis and colitis, except ulcerative, ages between 4 weeks and 2 years	1		1											1								1			
580 Acute haemorrhagic necrosis of liver.....	1	1													1			1							
587.2 Other diseases of pancreas	2	1	1												2		1				1				1
600.1 Abscess of kidney and perirenal tissue..	1	1						1											1		1				
751 Spina Bifida	3	1	2					1	1	1						1				1	2				1
752 Congenital hydrocephalus	1		1								1											1			
754 Congenital malformation of circulatory system	20	13	7		2	4	1	1	2	2	1	1	3	1	2	2	9	4		1	16	3	1		
756 Congenital malformations of digestive system	1	1										1					1				1				
757 Congenital malformations of genito-urinary system	3	3			1		1								1	2					2		1		
758 Congenital malformations of bone and joint	2	1	1					2								1					1		1		
759 Other and unspecified congenital malformations not elsewhere classified	2	1	1					1		1						1				1	2				
760 Intracranial and spinal injury at birth....	6	4	2			2						1		1	2	4	2			1	6				
761 Other birth injury	13	7	6			3	2		1	3	1		1	1	1	9	4				13				
762 Postnatal Asphyxia and Atelectasis	20	16	4	2	2		1	1	1	1	1	2		4	5	14	6				20				

763	Pneumonia of newborn	6	3	3	...	...	1	...	1	...	1	1	...	1	1	...	3	3	...	6	...	...	...	...
764	Diarrhoea of newborn	3	2	1	...	...	1	...	1	...	1	...	...	1	...	...	2	...	...	3	...	...	...	...
768	Other sepsis of newborn	1	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...
770	Haemolytic diseases of newborn (erythroblastosis)	2	2	...	...	...	1	...	1	...	...	...	1	1	...	...	...	...	...	2	...	...	...	...
771	Haemorrhagic disease of newborn	1	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
773	Ill-defined diseases peculiar to early infancy	11	6	5	...	1	...	...	1	2	...	...	2	3	2	5	3	...	...	8	2	1	...	...
774	Immaturity with mention of other sub- sidiary condition	2	1	1	1	...	...	...	...	...	...	1	...	1	1	...	1	1	...	2	...	...	...	...
775	Immaturity subsidiary to some other cause	1	1	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...
776	Immaturity, unqualified	40	21	19	5	5	4	1	1	3	3	5	...	5	3	5	24	16	...	40	...	...	...	...
795	Ill-defined and unknown causes of mor- bidity and mortality	1	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
823	Motor vehicle traffic accident involving running off roadway	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	...
921	Inhalation and ingestion of food causing obstruction or suffocation	1	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...
923	Foreign body entering other orifice	1	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...
TOTALS.....		168	103	65	9	14	17	9	12	11	16	16	8	15	17	24	65	46	11	4	4	130	23	12	1	2

ABRIDGED INTERNATIONAL CLASSIFICATION OF CAUSES OF DEATH, 1959

ABRIDGED INTERNATIONAL CLASSIFICATION OF CAUSES OF DEATH, 1959																									Non-Resi-																									
Resident		Under 1		1-4		5-14		15-19		20-29		30-39		40-49		50-59		60-69		70-79		over 80		dents																										
Total	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F																												
1. Tuberculosis of respiratory system	12	8	4	...	...	...	...	...	...	...	2	2	1	2	1	2	...	...	...	1	...	1	...	7																
2. Tuberculosis, all other forms	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1									
3. Syphilis and its sequelae.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...																								
8. Whooping Cough .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1					
10. Meningococcal infections .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3					
12. Acute Poliomyelitis .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
14. Measles	1	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...											
17. All other diseases classified as infective and parasitic	3	3	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...	...	6									
18. Malignant neoplasms (including neoplasms of lymphatic and haematopoietic tissues)	291	171	120	1	...	3	2	3	2	6	4	...	6	14	30	20	40	29	54	30	29	17	188																								
19. Benign neoplasms, neoplasms of unspecified nature	3	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8				
20. Diabetes Mellitus	35	16	19	1	3	3	7	4	8	3	4	15																								
21. Anaemias	5	2	3	1	1	1	...	1	4																								
22. Vascular lesions affecting central nervous systems	187	87	100	1	...	...	...	...	...	...	1	...	...	...	1	6	5	11	14	21	39	26	26	36	66																
23. Nonmeningococcal meningitis	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2			
24. Rheumatic fever	4	2	2	...	...	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	4						
25. Chronic Rheumatic heart disease	26	10	16	1	1	2	...	3	...	5	2	3	1	3	1	2	11																								
26. Arteriosclerotic and degenerative heart disease	471	314	157	...	...	...	...	...	...	...	...	...	5	...	25	...	48	17	64	28	114	50	58	62	135																
27. Other diseases of heart	14	9	5	...	...	...	...	...	...	...	...	...	1	...	1	...	2	...	2	1	2	1	2	2	8																
28. Hypertension with heart disease	42	21	21	...	...	...	...	...	...	...	...	...	...	...	1	1	5	...	4	5	5	6	6	8	9														
29. Hypertension without mention of heart.....	22	9	13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	5	4	4	5	5									
30. Influenza	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...																					
31. Pneumonia	65	41	24	...	...	...	2	1	...	...	...	...	...	...	1	1	3	1	4	1	14	5	15	11	26																
32. Bronchitis	13	9	4	...	...	...	1	...	...	...	...	...	...	...	...	...	1	2	2	...	2	...	...	...	5										
33. Ulcer of stomach and duodenum	5	4	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2				
34. Appendicitis	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9				
35. Intestinal obstruction and hernia	16	9	7	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	5	...	1	1	1	4	9												
36. Gastritis, Duodenitis, Enteritis, Colitis except Diarrhoea of newborn	7	4	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	5					
37. Cirrhosis of liver	8	5	3	...	...	...	1	...	...	...	...	...	1	...	2	...	1	...	1	...	...	1	1	5	5															
38. Nephritis and nephrosis	7	4	3	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	2	...	...	...	...	...	2							
39. Hyperplasia of prostate	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3			
40. Deliveries and complications of pregnancy, childbirth and the puerperium	2	...	2	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...											
41. Congenital malformations	39	23	16	...	...	...	1	...	...	...	...	...	...	...	...	...	1	3	...	...	...	...	...	...	32							
42. Birth Injuries, postnatal asphyxia, atelectasis	39	27	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	21				
43. Infections of the newborn	10	6	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4				
44. Other diseases peculiar to early infancy and immaturity unqualified.	57	32	25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	24				
45. Senility without mention of psychosis, Ill-defined and Unknown Causes	31	16	15	...	...	...	1	...	...	...	...	...	...	...	...	1	2	...	1	1	8	3	3	9	10														
46. All other diseases	153	93	60	6	15	82																								
47. Motor vehicle accidents	45	36	9	2	17																								
48. All other accidents	59	43	16	7	16																								
49. Suicide and self-inflicted injury	24	20	4	6																								
50. Homicide and operations of war	2	1	1	1																								
TOTALS.....																									1710	1035	675	103	65	9	11	10	5	10	3	24	14	45	16	69	35	122	68	166	114	299	158	178	186	750
																									168				20		15		13		38		104		190		280		457		364					

PRINCIPAL CAUSES OF DEATH, 1959

		Total	Male	Female	% of Total Deaths	Rate per 100,000 Population
420 - 433	Diseases of Heart	485	323	162	28.3	186.0
140 - 205	Cancer	291	171	120	17.0	111.6
330 - 334	Vascular lesions affecting central nervous system	187	87	100	10.9	71.1
750 - 756	Diseases of early infancy	145	88	57	8.4	55.6
800 - 999	External causes	130	100	30	7.6	49.8
490 - 493	Pneumonia	65	41	24	3.8	24.7
440 - 447	Hypertension	64	30	34	3.7	24.7
260	Diabetes Mellitus	35	16	19	2.0	13.4
560,561,571	Intestinal obstruction and Hernia	16	9	7	.9	5.3
001 - 019	Tuberculosis, all forms	14	9	5	.8	5.3
	All other diseases	278	161	117		
Total.....		1,710	1,035	675		

MORTALITY FROM HEART DISEASE

Year	Total Deaths	Deaths From Heart Disease	Percentage of Total Deaths	Rate per 100M Population
1959	1710	485	28.3	186.0
1958	1565	442	28.2	175.0
1957	1519	393	25.8	164.0
1956	1412	396	28.0	176.7
1955	1441	363	25.2	173.3

MORTALITY FROM CANCER

Year	Total Deaths	Deaths From Cancer	Percentage of Total Deaths	Rate per 100M Population
1959	1710	291	17.0	111.6
1958	1565	269	17.7	106.6
1957	1519	270	17.7	113.2
1956	1412	259	18.3	115.6
1955	1441	259	17.9	123.7

MORTALITY FROM INTRACRANIAL LESIONS OF VASCULAR ORIGIN

Year	Total Deaths	Deaths From This Cause	Percentage of Total Deaths	Rate per 100M Population
1959	1710	187	10.9	71.1
1958	1565	162	10.3	64.0
1957	1519	149	9.8	62.5
1956	1412	131	9.2	65.6
1955	1441	146	10.1	69.7

MORTALITY FROM TUBERCULOSIS

Year	Total Deaths	Deaths From Tuberculosis	Percentage of Total Deaths	Rate per 100M Population
1959	1710	14	.82	5.3
1958	1565	8	.05	3.1
1957	1519	18	1.1	7.5
1956	1412	10	.7	4.4
1955	1441	12	.8	5.7

MORTALITY FROM PNEUMONIA

Year	Total Deaths	Deaths From Pneumonia	Percentage of Total Deaths	Rate per 100M Population
1959	1710	65	3.8	24.7
1958	1565	48	3.0	19.4
1957	1519	46	3.0	19.3
1956	1412	51	3.5	22.7
1955	1441	44	3.0	20.9

MORTALITY FROM EXTERNAL CAUSES

Year	Total Deaths	Deaths From External Causes	Male	Female	Suicide	Homicide	Automobile Accidents	All Other Accidents	Percentage of Deaths	Rate Per 100M Population
1959	1710	130	100	30	24	2	45	59	7.6	49.8
1958	1565	119	88	31	23	2	45	49	7.6	47.6
1957	1519	123	95	28	22	4	33	64	8.0	51.6
1956	1412	116	82	34	24	3	56	33	8.2	51.7
1955	1441	115	86	29	17	6	30	62	7.9	54.9

IMMUNIZATION CLINIC

	1959	1958	1957	1956	1955
No. of persons receiving 1st doses	59,203	42,859	29,484	15,245	10,524
No. persons receiving reinforcing doses	8,267	7,724	6,960	6,145	5,597
Total procedures	269,640	209,654	144,470	96,601	77,053
Total attendance	159,610	133,090	78,042	42,954	33,709
Phone calls	21,579	18,626	13,996	11,303	5,781
Out of town persons attending clinics	2,184	1,159	863	749	748
Student days	275	242	251	214	222
CLINICS HELD:					
Main Clinic	250	251	251	251	250
Average attendance	291	261	193	97	91
South Side Clinic	250	250	250	251	250
Average attendance	119	100	60	47	44
Woodcroft Clinic	250	250	250	199	—
Average attendance	148	132	58	34	—
Eastwood Clinic	250	187	—	—	—
Average attendance	79	46	—	—	—

IMMUNIZATION RECORD, 1959

	Immunization Clinics	School Health Service
Diphtheria		
1st dose	9,925	728
Re-inforcing doses	8,170	7,549
Total doses	42,930	9,910
Whooping Cough		
1st dose	9,722	
Re-inforcing doses	7,887	
Total doses	41,852	
Tetanus		
1st dose	10,277	728
Re-inforcing doses	8,110	7,549
Total doses	43,778	9,910
Typhoid		
1st dose	363	
Re-inforcing doses	71	
Total doses	1,004	
Smallpox		
Smallpox vaccinations	9,164	5,529
Poliomyelitis		
1st dose	48,297	672
Re-inforcing doses	26	2,815
Total doses	123,296	3,926
Cholera		
1st dose	86	
Total doses	169	
Typhus		
1st dose	39	
Total doses	80	
Rocky Mountain Spotted Fever		
1st dose	14	
Total doses	27	
Others		
Total doses	2	
Schick Test	101	

COMMUNICABLE DISEASES, 1955 - 1959

	1959		1958		1957		1956		1955	
	C	D	C	D	C	D	C	D	C	D
Diphtheria .....	...	...	1	...	11	1	5	...	4	...
Diphtheria Carriers	1	...	4	...	16	...	5	...	...	...
Dysentery	1	...	3	...	...	...	3	...	...	...
Encephalitis .....	...	...	...	1	1	1	...	...	...	...
Food Poisoning	10	...	1	...	...	...	...	...	...	...
Measles	1,061	1	669	...	4,069	...	241	...	1,951	1
Mumps.....	...	...	...	1	...	...	...	...	...	...
Paratyphoid Fever .....	...	...	1	...	...	...	...	...	1	...
Poliomyelitis	6	...	1	...	8	1	13	...	58	1
Rubella	223	...	568	...	1,329	...	123	...	149	...
Scarlet Fever and Streptococcal Sore Throat.....	387	...	132	...	202	...	165	...	151	...
Tuberculosis (Pulmonary) Active	72	12	75	5	173	17	150	9	133	8
Tuberculosis (Pulmonary) Inactive	67	...	75	...	...	...	...	...	...	...
Tuberculosis (Other Forms) Active	25	2	11	3	17	1	23	1	22	5
Tuberculosis (Other Forms) Inactive	5	...	3	...	...	...	...	...	...	...
Typhoid Fever .....	...	...	1	...	1	...	4	...	...	...
Typhoid Fever Carrier .....	...	...	1	...	...	...	1	...	...	...
Whooping Cough	168	...	233	...	147	...	121	...	300	...
VENEREAL DISEASE:										
Gonorrhoea	1,716	...	1,540	...	1,324	...	1,171	...	1,215	...
Syphilis	65	1	37	2	45	3	70	2	76	...
Morbidity per 1000 population	3,807	16	3,356	12	7,342	24	2,095	12	4,064	14
	14.5		28.1		30.8		9.3		19.4	

C— Cases D— Deaths

COMMUNICABLE DISEASE BY AGE, 1959

	Total	Male	Female	Under 1	1/4	5/9	10/14	15/19	20/39	40/59	60 & Over	Not Stat- ed	Non- Resi- dents
Diphtheria .....	...	...	...	...	...	...	...	...	...	...	...	...	1
Diphtheria Carrier	1	1	...	...	...	...	...	...	...	...	1	...	...
Dysentery	1	1	...	1	...	...	...	...	...	...	...	...	1
Food Poisoning	10	5	5	2	...	1	...	...	...	2	4	1	4
Measles	1,061	506	555	40	377	615	21	5	2	1	...	...	22
Paratyphoid Fever .....	...	...	...	...	...	...	...	...	...	...	...	...	1
Poliomyelitis	6	3	3	...	1	1	...	...	4	...	...	...	23
Rubella	223	115	108	9	52	110	38	7	7	1	...	...	4
Scarlet Fever and Strep. Throat	387	177	210	2	94	218	53	5	11	2	1	1	9
Typhoid Fever .....	...	...	...	...	...	...	...	...	...	...	...	...	4
Whooping Cough	168	81	87	18	52	69	28	1	...	...	...	...	18
Tuberculosis (Pulmonary) Active	72	43	29	1	2	1	3	6	27	22	9	1	4
Tuberculosis (Pulmonary) Inactive	67	37	30	...	1	1	...	1	36	15	10	3	1
Tuberculosis (other forms) Active	25	14	11	...	...	...	...	1	16	6	2	...	...
Tuberculosis (other forms) Inactive ..	5	1	4	...	...	...	...	...	4	1	...	...	...
VENEREAL DISEASE													
Gonorrhea	1,716	896	820	...	...	1	20	317	1,361	3	1	13	...
Syphilis	65	49	16	...	...	...	...	3	61	...	...	1	...
TOTAL	3,807	1,929	1,878	72	579	1,017	163	346	1,529	53	28	20	92
DEATHS													
Measles	1	1	...	...	...	1	...	...	...	...	...	...	...
Syphilis	1	1	...	...	...	...	...	...	...	...	1	...	...
Tuberculosis (Pulmonary)	12	8	4	...	...	...	...	...	5	5	2	...	...
Tuberculosis (other forms)	2	1	1	...	...	...	...	...	...	...	2	...	...
TOTAL	16	11	5	...	...	1	...	...	5	5	5	...	...

COMMUNICABLE DISEASE BY SEASON AND SEX, 1959

	Total	Male	Female	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Non-Resident
Diphtheria .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Diphtheria Carriers	1	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Dysentery	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Food Poisoning	10	5	5	...	...	...	...	2	4	1	1	2	1	1	...	4
Measles	1,061	506	555	51	44	12	56	72	80	68	41	40	118	226	253	22
Paratyphoid Fever .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Polioomyelitis	6	3	3	...	...	...	...	...	...	...	2	1	3	...	...	23
Rubella	223	115	108	37	18	32	33	26	14	9	7	6	12	16	13	4
Scarlet Fever and Strep. Throat	387	177	210	26	26	27	26	38	65	21	6	10	31	60	51	9
Typhoid Fever .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4
Whooping Cough	168	81	87	26	14	10	19	34	16	8	13	22	1	1	4	18
Tuberculosis (Pulmonary) Active.....	72	43	29	4	5	4	8	7	3	6	4	3	6	6	16	4
Tuberculosis (Pulmonary) Inactive.....	67	37	30	4	4	5	8	8	7	4	...	6	5	5	11	1
Tuberculosis (other forms) Active.....	25	14	11	...	3	1	1	4	4	...	1	2	5	1	3	...
Tuberculosis (other forms) Inactive.....	5	1	4	...	...	1	...	1	...	...	...	2	...	...	1	...
VENEREAL DISEASE																
Gonorrhoea	1,716	896	820	165	129	139	145	149	101	85	130	146	170	164	193	...
Syphilis	65	49	16	2	6	4	...	5	2	3	1	9	9	5	19	...
TOTAL.....	3,807	1,929	1,878	315	249	235	296	346	296	205	207	249	360	484	565	92
DEATHS																
Measles	1	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...
Syphilis	1	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Tuberculosis (Pulmonary)	12	8	4	1	...	...	4	...	1	1	...	2	2	1	...	...
Tuberculosis (Other forms)	2	1	1	...	...	...	...	...	1	...	...	...	...	1	...	...
TOTAL	16	11	5	1	1	...	4	...	2	2	...	2	2	2	...	...

TUBERCULOSIS CONTROL

	1959	1958	1957	1956	1955
*Cases—Pulmonary Tuberculosis	139	150	173	150	133
**All other forms of T.B.	30	14	17	23	22
Rates per 100,000 population					
Pulmonary Tuberculosis	53.3	59.5	72.5	66.9	63.5
All other forms of T.B.	11.5	5.5	7.0	10.2	10.5
Deaths—Pulmonary Tuberculosis	12	5	17	9	8
All others forms of T.B.	2	3	1	1	5
*Includes Inactive Cases					
**Includes Inactive Cases					



KINSMEN'S CLUB SERVICE

	1959	1958	1957	1956	1955
Total visits by Nurse	3,100	4,466	4,349	4,955	4,333
Visits to homes	733	954	1,510	1,927	1,466
Visits to T.B. Cases	688	915	862	907	805
Visits to contact cases	1,583	2,421	1,814	1,922	1,702
Observation, co-operative visits.....	96	176	153	199	266
Tuberculin tests in homes	709	1,799	573	1,956	1,500
CHEST SURVEY—City Hall	9,934	7,879	6,922	(8 months)	
Industrial	10,123	9,029	2,961		
	20,057	16,908	9,883		

SCHOOL HEALTH SERVICES, 1959

In 1959 pupils attending schools served by the staff totalled 53,490, an increase of 3,317 pupils over 1958. The staff establishment was increased by three full-time nurses.

It is pleasing to record for the first time in six years that no reports of Diphtheria in children of school age were received during the year. One case of Poliomyelitis occurred. Measles became epidemic towards the end of the year.

Mass Poliomyelitis immunization in schools being completed, a routine maintenance immunization scheme was implemented. Diphtheria and Tetanus antigen is offered in Grade I, vaccination in Grades II and VIII, Poliomyelitis in Grade II and reinforcing Diphtheria, Tetanus and Poliomyelitis in Grades V and IX.

Routine audiometry continued in Grade IV. As of April, the practice of retesting the failures from the general Massachusetts Hearing Test Survey with another Massachusetts Hearing Test was discontinued. Retesting is now by a sweep frequency test. The latter is an individual procedure. Although a little more time consuming, the test is more efficient and doubtless more selective.

Ophthalmological examinations and glasses where necessary were provided for 57 children whose parents were indigent. Similarly 9,456 dental operations were performed, 447 children being discharged with reparative dentistry completed.

4,727 Grade I pupils received the Vollmer Patch Test, 27 of whom were referred to the Tuberculosis Division of the Provincial Health Department for further investigation.

13 new cases of Tuberculosis in school age children were reported to the Department.

39 school children in the City were reported by the Provincial Health Department as receiving penicillin prophylaxis against streptococcal infection for the prevention of Rheumatic Fever.

**Examinations by Medical Officers:**

Complete periodic examinations	17,769
Examinations on special referral	771
Re-examinations	204
Total number of examinations	18,751
*Number of pupils with defects	7,335
Parents invited to examinations	13,667
Parents present at examinations	8,596
Pupils referred to physicians	504
Pupils referred to dentists	497
*Excluding teeth)	

Examinations by Nurses:

Periodic examinations	17,578
Examinations on special referral	34,351
Re-examinations	15,076
Partial examinations	137,397
Total number of examinations	209,094
Number of pupils with defects	38,672
Pupils referred to physicians	4,512
Pupils referred to dentists	2,852

School Nursing Services

Home visits	5,644
Consultations with physicians	2,499
Consultations with teachers	18,277
Consultations with parents	9,749
Consultations with others.....	3,975
Pupils given first aid	13,427
Lectures and Talks	425
Student days	130

Dental Services

Number of operations	9,456
Number of cases completed	447

Dental Survey (Grade 2 to 8 inclusive)

Number of schools visited	118
Number of children examined	32,305
Number of children with defective teeth	29,606
Number of children without defective teeth	2,699

Audiometric Tests	4,692
Failures	468

WELL BABY AND PRE-SCHOOL CLINICS—1955 TO 1959

	1959	1958	1957	1956	1955
Total attendance	36,458	33,672	28,011	25,413	21,515
Under 1 year	23,314	22,844	19,133	17,767	15,504
1 to 6 years	13,144	10,828	8,878	7,646	6,011
Out of town	1,844	1,292	1,128	959	1,148
Number of Clinics held					
Main Clinic	250	250	250	251	250
Average daily attendance	37	40	44	47	55
Average monthly attendance	772	837	916	987	1,141
South Side Clinic	250	250	250	251	250
Average daily attendance	37	38	36	34	31
Average monthly attendance	764	782	750	715	652
Woodcroft Clinic	250	250	250	199	—
Average daily attendance	43	40	32	25	—
Average monthly attendance	892	830	668	525	—
Eastwood Clinic	250	187 (Opened April 1st, 1958))			
Average daily attendance	29	23			
Average monthly attendance	611	476			
Total average attendance (4 clinics)	146	135	112	101	86
Total average monthly attendance					
(4 clinics)	3,038	2,806	2,334	2,118	1,796
Total new admissions	7,548	7,104	6,320	6,174	5,043
Under 1 year	5,774	5,469	4,712	4,633	3,965
1 to 6 years	1,774	1,635	1,608	1,541	1,078
Re-admissions	386	266	269	273	230
Discharged	5,826	5,623	4,859	5,086	4,002
No. of active charts transferred..	756	976	498	808	242
No. of retired charts transferred	138	123	79	106	49
Total remaining on Roll	19,282	17,560	16,079	14,119	13,031
Home visits	4,140	3,473	2,767	2,728	2,693
Telephone calls	16,696	15,078	13,001	10,175	8,274
Correspondence	28	38	36	49	50
Number seen by doctor	654	572	627	819	943
Referred to family doctor	631	596	489	354	265
Number of student days	364	305	251	212	222

Physicians were in charge at the Main Clinic two afternoons a week and one afternoon a week at the three other clinics.

VICTORIAN ORDER OF NURSES

	1959	1958	1957	1956	1955
Prenatal care	—	1	1	5	5
Prenatal instructions	3	5	6	26	—
Postnatal care	10	6	1	3	4
Postnatal instructions	2,130	2,156	2,094	1,887	—
Newborn care	69	243	203	219	219
Newborn instructions	2,116	2,071	1,832	2,007	1,735
Medical and Surgical, etc.	14,902	14,657	14,407	9,802	13,040
Total visits	19,230	19,139	18,534	16,544	15,113
Prenatal clinics held	49	48	60	35	39
Enrolment	397	—	—	—	—
Total attendance	1,406	1,561	2,052	1,154	—
Average attendance	30	32	33	33	22

SANITATION

●

INSPECTIONS:

	1959	1958
Dwellings	141	100
Hotels, lodging houses, apartment blocks.....	473	528
Schools, blocks, public buildings	185	51
Stores, bakeshops, business establishments.....	2,793	3,266
Restaurants	3,241	3,417
Garbage cans, etc.....	102	146
Streets, lanes, yards, dumps, etc.	12	31
Aged homes	8	9
Miscellaneous (including barber shops, beauty parlors, auto courts and service stations).....	1,061	918
Public Health Education lectures	31	34
	8,047	8,500
Re-inspections	215	461

NOTICES:

Written	60	133
Verbal	3,295	3,299

COMPLAINTS:

Received from public	361	421
Justified	280	381
Received from other departments	11	10
Referred to other departments	9	17
The complaints were made up as follows:		
Garbage, streets, lanes, etc.	80	125
Vermin	32	36
Housing, plumbing and drainage.....	102	99
Food and drink.....	34	61
Miscellaneous.....	113	100

LICENSES:

License applications investigated	3,603	3,542
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PLUMBING:

Sewer and water notices issued	14	14
Extension of time granted.....	—	3
Plumbing permits issued	3,801	4,526
Plumbing permits issued for old buildings	46	81
Alterations to existing plumbing (fixtures).....	2,304	2,790
Privies eliminated through installation of plumbing.....	46	81
Number of septic tanks installed	6	8

ANIMALS, BARNS, STYS

	1959	1958
Cow owners	10	24
Hog owners	10	14
Goat owners	1	1
Fur farm owners.....	—	3

FOOD:

Samples submitted to Provincial Laboratory	13	14
Foodstuffs condemned (pounds)	79	12

WATER:

Water samples taken	4	1
Negative	4	1
*Positive	—	—
Wells chlorinated	—	—
Wells condemned	—	—
*Wells condemned or further samples taken after chlorination.		

POISON GAS FUMIGATION:

..... — —

ENFORCEMENT OF REGULATIONS:

Prosecutions.....	—	3
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ESTABLISHMENTS CLOSED

..... — 1

Number of student days	31	28
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FOOD INSPECTION

MEATS INSPECTED AND CONDEMNED

Beef:	1959	1958	1957
Number of carcasses inspected.....	6,547	7,991	9,823
Carcasses condemned	16	15	22
Portions condemned	602	698	962
Weight (lbs.) of carcasses and portions condemned	13,825	13,165	22,830
Veal:			
Number of carcasses inspected	851	1,183	1,711
Carcasses condemned	—	1	1
Portions condemned	17	6	31
Weight (lbs.) of carcasses and portions condemned	140	180	280
Mutton:			
Number of carcasses inspected	68	80	80
Carcasses condemned	—	—	—
Portions condemned	2	12	—
Weight (lbs.) of carcasses and portions condemned	10	60	19
Pork:			
Number of carcasses inspected	17,915	11,088	11,131
Carcasses condemned	6	1	1
Portions condemned	1,631	1,149	1,333
Weight (lbs.) of carcasses and portions condemned	13,615	11,165	14,205

CARCASSES FOUND TO BE INFECTED WITH T.B.

Beef:			
Infected	—	—	—
Percent	—	—	—
Pork:			
Infected	816	757	1,059
Percent	4.55	6.83	9.51

CHIEF CAUSES OF CONDEMNATION, 1959

Beef:

	Carcasses	Portions	Weight (lbs.)
Abscess	—	432	4,350
Actinomycosis	—	161	3,220
Bruised	—	1	45
Parturient	2	—	910
Septicaemia	9	—	3,695
Miscellaneous (including contamination emaciation, uraemia, etc.)	5	8	1,605
	<hr/> 16	<hr/> 602	<hr/> 13,825

Veal:

Abscess	—	4	20
Actinomycosis	—	1	10
Adhesions	—	10	50
Bruised extensive	—	2	60
	<hr/> —	<hr/> 17	<hr/> 140

Mutton:

Abscess	—	1	5
Parasites	—	1	5
	<hr/> —	<hr/> 2	<hr/> 10

Pork:

Parasites	—	779	3,895
Septicaemia	2	56	730
Tuberculosis	—	786	7,860
Miscellaneous (including bruised, abscess, erysipelas)	4	10	1,130
	<hr/> 6	<hr/> 1,631	<hr/> 13,615

DISEASED ANIMALS

	1959	1958	1957
Beef	575	689	962
Veal	16	6	29
Mutton	2	12	—
Pork	1,589	1,095	1,117
Total amount of meat condemned (lbs.)	27,590	24,570	37,315

*FOODSTUFFS CONDEMNED BY INSPECTORS

	1959	1958	1957
Poultry	5	12	20
Damaged by fire, flood, etc.	74	—	3,408
Fish	—	—	—
	<hr/> 79	<hr/> 12	<hr/> 3,428

*Pounds

MILK AND WATER REPORT

	1959		1958	
	Total No. Premises	No. of Inspections	Total No. Premises	No. of Inspections
Inspections:				
Producer-shippers, milk	464	1,175	485	1,270
Producer-shippers, cream	63	52	63	81
Producers—Contacts	—	287	—	298
Pasteurization Plants—Contacts	—	216	—	226
Pasteurization Plants	6	224	5	338
Vehicles	—	491	—	466
Others, Complaints, etc.	—	8	—	25
Licenses and Permits:				
Retail milk certificates issued		675		—
Dairy Licenses issued		535		566
Dairy Licenses refused		1		—
Dairy Licenses suspended temporarily		5		11
Permits issued to cow keepers in the city		10		26
Samples:				
Milk samples taken, retail		1,355		1,301
Milk samples taken, shippers		8,447		9,406
Cream samples taken		246		245
Chocolate Milk samples		141		128
Ice cream samples		8		—
TESTS—Milk:				
Standard Plate Counts		1,355		1,301
Coliform tests		1,174		498
Phosphatase tests		996		696
Methylene blue tests		8,447		9,406
Restaurants:				
Swab tests of utensils		1,123		1,111
Water:				
Standard plate counts		1,280		904
Coliform tests		1,280		904
Chlorine content checks		254		252
Raw river water plate counts		27		50
Swimming Pools:				
Plate counts		394		395
Coliform tests		394		395
Inspections		274		260
Student Days.....		31		28

